

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| S1    | 3    | ("4894275"   "5198626"   "20050055930").PN.  | US-PGPUB;<br>USPAT                                | OR               | ON      | 2009/04/17<br>11:41 |
| S2    | 13   | ("1783276"   "1972563"   "2954838"   "3498405"   "3501878"   "3814208"   "4574915"   "4705139").PN. OR ("5198626").URPN.   | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>11:43 |
| S3    | 5    | ("3147926"   "3619961"   "6315805").PN.  | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>11:47 |
| S4    | 432  | (52/145).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2009/04/17<br>11:51 |
| S5    | 11   | ("3482505"   "3656576").PN. OR ("3846949").URPN.   | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>12:18 |
| S6    | 27   | ("1961374"   "3013641"   "3231454"   "3430405").PN. OR ("3597891").URPN.   | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>12:20 |
| S7    | 0    | ("2150338").URPN.  | USPAT   | OR               | ON      | 2009/04/17<br>12:36 |
| S8    | 0    | ("1028575").URPN.  | USPAT   | OR               | ON      | 2009/04/17<br>12:53 |
| S9    | 25   | ("2326717"   "2856039"   "3108924"   "3740905"   "3846949"   "3867244"   "3876492"   "4235398"   "4291851"   "4344591"   "4446661").PN. OR ("5398889").URPN.                         | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>12:57 |
| S10   | 26   | ("1833143"   "2076807"   "2192653"   "2251660"   "3074505"   "3077947"   "3509671"   "3597891"   "3630312"   "3881569"   "4194329"   "4310068"   "4828932").PN. OR ("5192624").URPN. | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>12:58 |
| S11   | 22   | ("3108924").URPN.  | USPAT   | OR               | ON      | 2009/04/17<br>13:01 |
| S13   | 24   | ("2549189"   "3086899"   "3108924"   "3280230"   "3444034").PN. OR ("3642566").URPN.   | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>13:04 |
| S12   | 37   | ("1875188"   "3086899"   "3108924"   "3257764"   "3391511"   "3415027"   "3849237").PN. OR ("3906571").URPN.   | US-PGPUB;<br>USPAT; USOCR                         | OR               | ON      | 2009/04/17<br>13:04 |

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| S14 | 169 | (52/789.1).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/17<br>13:07 |
| S15 | 72  | ("1875188"   "2160677"   "2561147"   "2912345"   "4397902").PN. OR<br>("5028474").URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>13:12 |
| S16 | 55  | ("0847854"   "1000694"   "1154254"   "1165133"   "1176427"   "1232226"  <br>"1257252"   "1875188"   "2481046"   "2662659"   "2813652"   "2950726"  <br>"3011602"   "3112533"   "3262786"   "3695479"   "3869778"   "3911187"  <br>"4169339").PN. OR ("4397902").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>13:20 |
| S17 | 5   | ("2813652").URPN.   | USPAT   | OR | ON  | 2009/04/17<br>13:23 |
| S18 | 147 | (52/791.1).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/17<br>13:24 |
| S19 | 126 | S18 not (S4 S14)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/17<br>13:25 |
| S21 | 781 | S20 not (S4 S14 S18)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/17<br>13:32 |
| S20 | 791 | (52/302.3).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/17<br>13:32 |
| S23 | 104 | S22 not (S4 S14 S18 S20)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/17<br>14:44 |
| S22 | 123 | (52/407.1).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/17<br>14:44 |

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| S24 | 17    | ("2330941").URPN.  | USPAT   | OR | ON  | 2009/04/17<br>15:05 |
| S26 | 200   | S25 not (S4 S14 S18 S20 S22)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/17<br>15:13 |
| S25 | 220   | (52/783.17).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/17<br>15:13 |
| S27 | 16    | ("4021983"   "4453367"   "4495237"   "4510725"   "4687691"   "5016417"  <br>"5106668"   "5233798"   "5270092"   "5460865"   "5543204"   "5588538"  <br>"5714226"   "6003283"   "6176065"   "6253530").PN. OR ("7010897").<br>URPN. | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>15:15 |
| S29 | 114   | S28 not (S4 S14 S18 S20 S22 S25)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/17<br>15:36 |
| S28 | 146   | (52/783.19).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/17<br>15:36 |
| S30 | 11    | (graduated with filter\$3 with profile)  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>15:53 |
| S32 | 20    | (different with filter\$3 with profile) and (differ\$3 with particle)  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>15:54 |
| S31 | 930   | (different with filter\$3 with profile)  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>15:54 |
| S33 | 10757 | ((different multiple graduated) with filter\$3 with layer)   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>15:56 |
| S34 | 2744  | S33 and ((various varied differ\$3 many) with (size particle))   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>15:57 |
| S35 | 1422  | S33 and ((various varied differ\$3 many) with (size particle)) and air   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>16:00 |
| S36 | 122   | S35 and ("52"/\$.cols. "428"/\$.cols. "454"/\$.cols.)  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2009/04/17<br>16:01 |

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| S37 | 304     | S35 and ("210"/\$.ccls.)                              | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>16:05 |
| S38 | 26      | S37 and building                                      | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>16:06 |
| S39 | 29      | (breathable with wall with panel)                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2009/04/17<br>16:24 |
| S41 | 30      | S40 and ("52"/\$.ccls. "428"/\$.ccls. "454"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2009/04/17<br>16:26 |
| S40 | 123     | (dynamic with wall with panel)                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2009/04/17<br>16:26 |
| S42 | 75      | (breathing with wall with panel)                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2009/04/17<br>16:29 |
| S43 | 14      | ("2251663"   "2751198"   "2988980").PN.               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON | 2009/04/17<br>16:30 |
| S44 | 1263793 | (filter)  | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>17:18 |
| S45 | 4739673 | (trap\$3 capture\$3 obstruct\$3 prevent\$3)           | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>17:19 |
| S48 | 368286  | (gradient)  | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>17:22 |
| S47 | 2301989 | (smaller)   | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>17:22 |
| S46 | 1129296 | (particle)  | US-PGPUB;<br>USPAT; USOCR                             | OR | ON | 2009/04/17<br>17:22 |

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| S50 | 32     | S44 same (S45 with S46 with S47) same S48  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:23 |
| S49 | 374546 | S44 same S45 same S46 same S47 same S48  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:23 |
| S51 | 137    | S44 same S45 same S46 same S47 same S48  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:24 |
| S52 | 727    | "210"/\$.cls. and (pyramid pyramidal)  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:39 |
| S53 | 394    | "210"/\$.cls. and ((layer sheet) with pyramid pyramidal)   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:40 |
| S54 | 54     | ("0336114"   "1190863"   "1458805"   "1732386"   "1864911"   "1946414"  <br>"1946415"   "2014431"   "2118157"   "2207399"   "2369194"   "2673451"  <br>"2868384"   "3067878"   "3346122"   "3450264"   "3456798"   "3491892"  <br>"3552554"   "3563389"   "3666112"   "3721347"   "3797668"   "3837501"  <br>"3899427"   "3914175"   "3925205"   "4042512"   "4213865"   "4337561").<br>PN. OR ("4526691").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:43 |
| S55 | 11     | ("2158911"   "3243318"   "3468633"   "3797665").PN. OR ("4295967").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:44 |
| S56 | 53     | ("3079134"   "3235234"   "3343821"   "3348825"   "3463222"   "3475012"  <br>"3687818"   "3796657").PN. OR ("4208284").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON | 2009/04/17<br>17:45 |
| S57 | 29     | (S28 S4 S14 S18 S20 S22 S25) and (filter\$3 with air)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/04/17<br>17:55 |
| S58 | 313    | (graduated graduating) adj2 filter   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/04/17<br>18:06 |
| S59 | 1164   | (filters with different with efficiency)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/04/17<br>18:09 |
| S60 | 95     | S59 and building   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/04/17<br>18:10 |

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| L2  | 1069 | 1 NOT (52/145,302.1,789.1,791.1,407.1,783.17,783.19.ccls.)       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/24<br>09:33 |
| L1  | 1144 | (52/794.1).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>09:33 |
| L4  | 1070 | 3 NOT (52/145,302.1,789.1,791.1,407.1,783.17,783.19,794.1.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/24<br>09:59 |
| L3  | 1099 | (52/578).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>09:59 |
| L9  | 118  | (181/285).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>10:01 |
| L8  | 495  | (181/286).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>10:01 |
| L6  | 899  | (55/486).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>10:01 |
| L5  | 562  | (55/487).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>10:01 |
| L11 | 155  | (95/286).CCLS.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>10:02 |

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| L10 | 208 | (95/287).CCLS.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>10:02 |
| L13 | 190 | 10 not 11       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/24<br>10:08 |
| L16 | 478 | 8 not 9         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2009/04/24<br>10:21 |
| L17 | 1   | ("0073602").PN. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2009/04/24<br>11:13 |

4/ 24/ 2009 12:44:17 PM

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